

[Name of Document] ABSTRACT

[Abstract]

[Object] To ensure the mutual independence of wireless communication networks with overlapping communication cells.

[Construction] A multifunction access point MF\_AP1, which is active in the periphery transmits beacons that include an SSID intermittently. When the multifunction access point MF\_AP2 is about to be activated inside the controlled wireless communication cell 11 of the multifunction access point MF\_AP1, SSID information that is being used in the periphery is gathered by carrying out passive scan. In other words, beacons on all channels are each received, and the SSID included in the beacons is acquired. An SSID to be used in a cell controlled by the present base station is automatically generated using a predetermined generation algorithm such that the generated SSID differs to a previously generated SSID. When the generated SSID is not identical with the acquired SSID, the generated SSID is set as the SSID of the wireless cell controlled by the present base station. Whereas, when the generated SSID is identical with the acquired SSID, the collecting process for another peripheral SSID and the automatic generation of an SSID, etc., is repeated.

[Selected Figure] FIG. 4